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INTRODUCTION TO THE INDEX

Author Index

The names of all authors are listed alphabetically, and prefixes are treated as part of the surname. Where two or more authors have the same surname and initials, no attempt at resolution has been made. For instance, William Smith and Walter Smith will be included under the single entry "Smith, W."

The German ä, ö and ü and the Danish or Norwegian ø have been rendered as ae, oe, ue and oe, respectively. The suffix B to an abstract number indicates that the item refers to a book.

Subject Index

The alphabetically ordered subject index contains entries based on the most important subjects mentioned in the title and abstract. The chemical names used as index terms are chosen on the basis of the nomenclature recommended by the International Union of Pure and Applied Chemistry. Organic compounds are indexed at the parent compound followed by the substituent groups; esters and salts of organic acids are indexed under the names of their acid constituents.

As far as possible, dyes are indexed under the Colour Index names; the names given to enzymes are those recommended by The International Union of Biochemistry; drugs are indexed at their official B.P. or B.P.C. names or the Approved Names recommended by the British Pharmacopoeia Commission; and pesticides are indexed at the names recommended by the British Standards Institution.

Letter-by-letter alphabetization is used for the bold subject headings. Repetition of words or phrases that occur in preceding entries is avoided by the use of indentation.

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Subject Index Guide

This guide directs the user to the preferred index term, as used in the Subject Index. Some headings have "*see also*" references to direct the user to more specific or closely related headings. "*See*" references indicate that the subject is indexed under another heading.

AAS *see* Spectrophotometry, atomic-absorption

Acetic acid, ethylenediaminetetra- *see* EDTA

Acetylene derivatives *see* Alkynes

Acids *see also* Alkanesulfonic acids; Amino-acids; Arenesulfonic acids; Carboxylic acids; Fatty acids

Activation analysis *see* Radioactivation analysis

ADP *see* Adenosine 5′-pyrophosphate

AES *see* Spectrophotometry, atomic-emission

AFS *see* Spectrophotometry, atomic-fluorescence

Alcohols *see also* Diols; Polyols

Alkanes *see also* Cycloalkanes

Alkanols *see* Alcohols, aliphatic

Alkenes *see also* Cycloalkenes

Alloys *see also headings such as* Iron alloys

Amines *see also* Diamines; Polyamines

cAMP *see* Adenosine cyclic 3′,5′-phosphate

AMP *see* Adenosine 5′-monophosphate

ATP *see* Adenosine 5′-triphosphate

Auger electron spectroscopy *see* Electron spectroscopy, Auger

Automated analysis *see also* Continuous-flow analysis; Flow-injection analysis

AZT *see* Zidovudine

Bacteria *see* Micro-organisms

Benzenediamine *see* Phenylenediamine

Beverages, alcoholic *see also* specific named drinks

Beverages, non-alcoholic *see also* Fruit juices

Biochemical analysis *see also* Clinical analysis

Biological tissues *see also* Plants *and* specific organs and tissues

Biomolecules *see also* Biochemical compounds

Biosensors *see also* Electrodes; Immunosensors; Sensors

BOD *see* Biochemical oxygen demand

BSA *see* Bovine serum albumin

Carbohydrates *see also* Aldoses; Amino-sugars; Ketoses; Monosaccharides *and similar headings*

Carbon *see also* Carbonate-carbon; Diamond; Graphite

Carbonyl compounds *see also* Aldehydes; Ketones

Carboxylic acids *see also* Fatty acids

CMP *see* Cytidine 5′-monophosphate

Coal ash *see also* Fly ash

Corn oil *see* Maize oil

Corn syrup *see* Maize syrup

CSF *see* Cerebrospinal fluid

CZE *see* Electrophoresis, capillary zone

Dairy products *see also* Butter; Cheese; Cream; Ghee; Ice-cream; Whey; Yogurt

DELFIA *see* Dissociation-enhanced lanthanide fluoroimmunoassay

DNA *see* Nucleic acids, deoxyribo-

Drugs *see also* Biopharmaceuticals; Pharmaceutical analysis; Pharmaceutical preparations

Dyes *see also* specific commercial or Colour Index names

EIA *see* Enzyme immunoassay

Electrodes *see also* Biosensors; Sensors; Immunosensors

Electrophoresis *see also* Immunoelectrophoresis

Elements *see also* Trace elements

ELISA *see* Enzyme-linked immunosorbent assay

EMIT *see* Enzyme-multiplied immunoassay technique

Enzymes *see also* specific enzyme names

ESR *see* Electron spin resonance

Estrogen *see* Oestrogen

Ethers *see also* Crown ethers

Ethers, thio- *see* Sulfides

Ethylenediaminetetra-acetic acid *see* EDTA

FAD *see* Flavine-adenine dinucleotide

Fatty acids *see also* Carboxylic acids

FET *see* Field-effect transistors

FIA *see* Flow-injection analysis

Fish *see also* specific species of fish

Fly ash *see also* Coal ash

Forensic analysis *see also* Arson analysis

FPIA *see* Fluorescence polarization immunoassay

Fruit *see also* Citrus fruit *and* specific fruits

FTIR spectrometry *see* Spectrometry, absorption, infra-red, Fourier-transform

Gases *see also* Exhaust gases; Fuel gases; Waste gases

GC *see* Chromatography, gas

Globulins *see also* Immunoglobulins

Glycols *see* Diols

GPC *see* Chromatography, gel-permeation

Hemoglobin *see* Haemoglobin

HPLC *see* Chromatography, liquid, high-performance

HPTLC *see* Chromatography, thin-layer, high-performance

Hydrocarbons *see also* Alkanes; Alkenes; Alkynes

Hydrogen *see also* Deuterium; Tritium

IEF *see* Isoelectric focusing

Immunoassay *see also* Chemiluminescence immunoassay; Dissociation-enchanced lanthanide fluoroimmunoassay; Electrochemical immunoassay; Electrochemiluminescence immunoassay; Enzyme immunoassay; Enzyme-linked immunosorbent assay; Enzyme-multiplied immunoassay technique; Fluorescence polarization immunoassay; Fluoroimmunoassay; Immunofluorimetric assay; Immunoluminometric assay; Immunometric assay; Immunoradiometric assay; Luminoimmunoassay; Luminescence immunoassay; Phosphorescence immunoassay; Radioimmunoassay

Indicators *see also* specific names of indicators

IRMA *see* Immunoradiometric assay

IR spectrometry *see* Spectrometry, absorption, infra-red

ISE *see* Electrodes, ion-selective

ISFET *see* Field-effect transistors, ion-selective

Lanthanoids *see* Rare-earth metals

LC *see* Chromatography, liquid

LIMS *see* Laboratory information management systems

MEKC *see* Chromatography, micellar electrokinetic

Mercaptans *see* Thiols

Metals *see also* Alloys

Minerals, ores and rocks *see also* Geochemical analysis; Geological materials; Lunar materials; Meteorites; Sediments

NAA *see* Radioactivation analysis, by neutrons

NAD *see* Nicotinamide-adenine dinucleotide

NADH *see* Nicotinamide-adenine dinucleotide, reduced

Neutron-activation analysis *see* Radioactivation analysis, by neutrons

NIR spectrometry *see* Spectrometry, absorption, near-infra-red

Nitrogen *see also* Amino-nitrogen; Ammonia-nitrogen; Cyanide-nitrogen; Nitrate-nitrogen; Nitrite-nitrogen; Urea-nitrogen

NMR *see* Nuclear magnetic resonance

Nuclides *see* Radioisotopes

Nuts *see also* specific types of nuts

Olefins *see* Alkenes

Ores *see* Minerals, ores and rocks *and* ores of specific elements

PAGE *see* Electrophoresis, on gels

PAH *see* Hydrocarbons, polycyclic aromatic

PCB *see* Biphenyl derivatives, chloro-

PEG *see* Polyoxyethylene glycol

Peptides *see also* Bilipeptides; Glycopeptides; Neuropeptides; Nucleopeptides; Phosphopeptides; Polypeptides

Pesticides *see also* Fungicides; Herbicides

Pharmaceutical analysis *see also* Drugs

PIGE *see* Spectrometry, emission, gamma-ray, particle-induced

PIXE *see* Spectrometry, emission, X-ray, particle-induced

Poly(ethylene oxide) *see* Polyoxyethylene glycol

Polymers *see also* Copolymers; Plastics; Resins

Precious metals *see* Noble metals

Proteins *see also* Apolipoproteins; Biliproteins; Glycoproteins; Lipoproteins; Oncoproteins; Phosphoproteins; Selenoproteins

PTFE *see* Poly(tetrafluoroethylene)

PVC *see* Poly(vinyl chloride)

Reagents *see also* specific reagent names

RIA *see* Radioimmunoassay

RNA *see* Nucleic acids, ribo-

Rocks *see* Minerals, ores and rocks

Sea water *see* Waters, natural, sea

Sensors *see also* Biosensors; Electrodes; Immunosensors

SFC *see* Chromatography, supercritical-fluid

SFE *see* Extraction, supercritical-fluid

SIMS *see* Mass spectrometry, secondary-ion

SPE *see* Extraction, solid-phase

Sulfur *see also* Sulfate-sulfur; Sulfide-sulfur; Thiol-sulfur; Thiolate-sulfur

TLC *see* Chromatography, thin-layer

UV spectrophotometry *see* Spectrophotometry, absorption, ultra-violet - visible

Vegetable oils *see also* specific oils

Vegetables *see also* specific vegetables

Waste gases *see also* Exhaust gases

Waste solids *see also* Fly ash; Slag

Waste water, pulp-mill *see* Paper, liquors from

Waters, natural *see also* Ice; Rain; Snow

Wood pulp *see* Paper pulp

XPS *see* Electron spectroscopy, photo-, X-ray

XRF *see* Spectrometry, fluorescence, X-ray

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